ABSTRACT

A biodegradable non-toxic cationic lipopolymer comprising a branched polyethylenimine(PEI), a lipid anchor, biocompatible hydrophilic polymer spacer, and a biodegradable linker which covalently links the branched PEI, the spacer and the cholesterol derived lipid anchor. The cationic lipopolymers in the present invention can be used in drug delivery and are especially useful for delivery of a nucleic acid or any anionic bioactive agent to various organs and tissues after local or systemic administration.

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